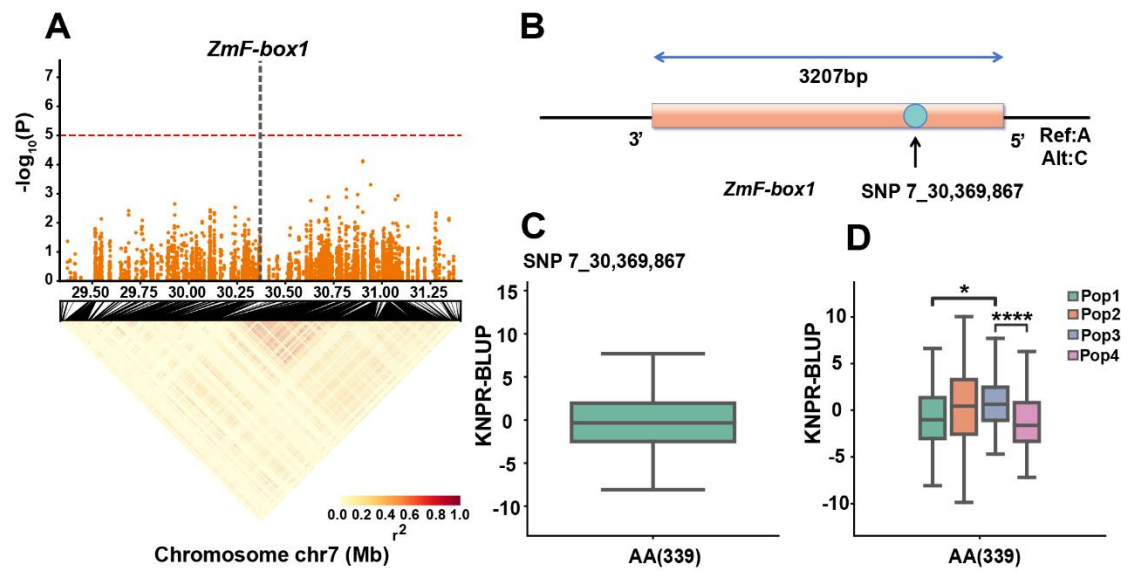




**Fig. S3.** (A) LD block of the gene *ZmF-box1*, (B) Relative positions of *ZmF-box1* and SNP 7\_30,369,867 (C) Frequency distribution of the two alleles of SNP 7\_30,369,867 in the MPP, and (D) Boxplot comparing KNPR-BLUP values among different genotypes. \* Indicates  $P < 0.05$ ; \*\* Indicates  $P < 0.01$ ; \*\*\* Indicates  $P < 0.001$ .